

Signal for targeting Molecules to the Sarco(endo)plasmic Reticulum.ST25
SEQUENCE LISTING

<110> Reed, Thomas D

<120> Signal for Targeting Molecules to the Sarco(endo)plasmic Reticulum

<130> SR RPA

<140> US 60/430322

<141> 2003-11-28

<150> US 60/430322

<151> 2002-12-02

<160> 6

<170> PatentIn version 3.2

<210> 1

<211> 30

<212> PRT

<213> Mus musculus

<400> 1

Gln Ala Arg Gln Asn Leu Gln Asn Leu Phe Ile Asn Phe Cys Leu Ile
1 5 10 15

Leu Ile Cys Leu Leu Leu Ile Cys Ile Ile Val Met Leu Leu
20 25 30

<210> 2

<211> 30

<212> PRT

<213> mus musculus

<400> 2

Gln Ala Arg Gln Asn Leu Gln Asn Ala Phe Ile Ala Phe Cys Leu Ile
1 5 10 15

Leu Ile Cys Leu Leu Leu Ile Cys Ile Ile Val Met Leu Leu
20 25 30

<210> 3

<211> 108

<212> DNA

<213> mus musculus

<400> 3

atgcatgaga gaaggcctca ggccaggcag aacctccaga atgctttcat tgctttttgt 60

ctgattctca tctgcctcct gctgatttgc attatcgtca tgctcctg 108

<210> 4

<211> 108

<212> DNA

Signal for targeting Molecules to the Sarco(endo)plasmic Reticulum.ST25
 <213> mus musculus

<400> 4
 caggagcatg acgataatgc aaatcagcag gaggcagatg agaatcagac aaaaagcaat 60
 gaaagcattc tggaggttct gcctggcctg aggccttctc tcatgcat 108

<210> 5
 <211> 135
 <212> DNA
 <213> mus musculus

<400> 5
 gagagaaagc ttatgcatga gagaaggcct caggccaggc agaacctcca gaatgctttc 60
 attgcttttt gtctgattct catctgcctc ctgctgattt gcattatcgt catgctcctg 120
 ctcgaggaga gagag 135

<210> 6
 <211> 135
 <212> DNA
 <213> mus musculus

<400> 6
 ctctctctcc tcgagcagga gcatgacgat aatgcaaadc agcaggaggc agatgagaat 60
 cagacaaaaa gcaatgaaag cattctggag gttctgcctg gcctgaggcc ttctctcatg 120
 cataagcttt ctctc 135

Signal for targeting Molecules to the Sarco(endo)plasmic Reticulum.WorkFile
Individual Applicant

Street : 1512 Northview Avenue
City : Cincinnati
State : Ohio
Country : US
PostalCode : 45223
PhoneNumber : 513-542-7742
FaxNumber : 513-631-4368
EmailAddress : tdreed@genomatix.com
<110> LastName : Reed
<110> FirstName : Thomas
<110> MiddleInitial : D
<110> Suffix :

Application Project

<120> Title : Signal for Targeting Molecules to the Sarco(endo)plasmic Reticulum
<130> AppFileReference : SR RPA
<140> CurrentAppNumber : US 60/430322
<141> CurrentFilingDate : 2003-11-28

Earlier Applications

<150> PriorAppNumber : US 60/430322
<151> PriorFilingDate : 2002-12-02

Sequence

<213> OrganismName : Mus musculus
<400> PreSequenceString :
QARQNLQNLF INFCLILICL LLICIIIVMLL 30
<212> Type : PRT
<211> Length : 30
SequenceName : phospholamban transmembrane domain
SequenceDescription :

Sequence

<213> OrganismName : mus musculus
<400> PreSequenceString :
QARQNLQNAF IAFCLILICL LLICIIIVMLL 30
<212> Type : PRT
<211> Length : 30
SequenceName : mutated phospholamban transmembrane domain
SequenceDescription :

Sequence

<213> OrganismName : mus musculus
<400> PreSequenceString :
atgcatgaga gaaggcctca ggccaggcag aacctccaga atgctttcat tgctttttgt 60
ctgattctca tctgcctcct gctgatttgc attatcgtca tgctcctg 108
<212> Type : DNA
<211> Length : 108
SequenceName : mutated phospholamban transmembrane domain, sense strand
SequenceDescription :

Sequence

<213> OrganismName : mus musculus
<400> PreSequenceString :

Signal for targeting Molecules to the Sarco(endo)plasmic Reticulum.WorkFile
 caggagcatg acgataatgc aaatcagcag gaggcagatg agaatcagac aaaaagcaat 60
 gaaagcattc tggaggttct gcctggcctg aggccttctc tcatgcat 108

<212> Type : DNA

<211> Length : 108

SequenceName : mutated phospholamban transmembrane domain, anti-sense strand
 SequenceDescription :

Sequence

<213> OrganismName : mus musculus

<400> PreSequenceString :

gagagaaagc ttatgcatga gagaaggcct caggccaggc agaacctcca gaatgctttc 60
 attgcttttt gtctgattct catctgcctc ctgctgattt gcattatcgt catgctcctg 120
 ctcgaggaga gagag 135

<212> Type : DNA

<211> Length : 135

SequenceName : mutated phospholamban transmembrane domain with flanking
 restriction sites and random nucleotides, sense strand
 SequenceDescription :

Sequence

<213> OrganismName : mus musculus

<400> PreSequenceString :

ctctctctcc tcgagcagga gcatgacgat aatgcaaadc agcaggaggc agatgagaat 60
 cagacaaaaa gcaatgaaag cattctggag gttctgcctg gcctgaggcc ttctctcatg 120
 cataagcttt ctctc 135

<212> Type : DNA

<211> Length : 135

SequenceName : mutated phospholamban transmembrane domain with flanking
 restriction sites and random nucleotides, anti-sense strand
 SequenceDescription :